

Secure Presentation Of Media Streams in Response to Encrypted Digital Content

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ABSTRACT OF THE DISCLOSURE

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7 Secure presentation of media streams includes encoding the media
8 streams into digital content, encrypting a portion of that digital content, the portion
9 being required for presentation, in which the encrypted version is substantially un-
10 changed in formatting parameters from the clear version of the digital content. Select-
11 ing those portions for encryption so there is no change in distribution of the media
12 stream: packetization of the digital data, or synchronization of audio with video por-
13 tions of the media stream. When encoding the media stream into MPEG-2, refraining
14 from encrypting information by which the video block data is described, packet for-
15 matting information, and encrypting the video block data using a block-substitution ci-
16 pher. A block-substitution cipher can be used to encrypt each sequence of 16 bytes of
17 video data in each packet, possibly leaving as many as 15 bytes of video data in each
18 packet in the clear.